

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P/63769/X18	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/051191	International filing date (day/month/year) 22/06/2004	(Earliest) Priority Date (day/month/year) 26/06/2003
Applicant MARCONI COMMUNICATIONS SPA		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 6

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051191

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q11/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 001 648 A (LUCENT TECHNOLOGIES INC) 17 May 2000 (2000-05-17) paragraph '0007! - paragraph '0009! figure 1	1-19
A	US 5 412 646 A (WONG ALBERT KAI-SUN ET AL) 2 May 1995 (1995-05-02) column 1, line 39 - line 56 column 2, line 43 - column 3, line 33 figure 3	1-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

2 November 2004

Date of mailing of the international search report

09/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHRODI K J ET AL: "Dynamic connection rearrangements in ATM switching networks" COMMUNICATIONS - RISING TO THE HEIGHTS. DENVER, JUNE 23 - 26, 1991, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, IEEE, US, vol. 1, 23 June 1991 (1991-06-23), pages 1575-1581, XP010044080 ISBN: 0-7803-0006-8 * section 2.2 * figure 2</p> <p>-----</p>	1-19
A	<p>TAKASE A ET AL: "Datapath architecture and technology for large scale ATM switching systems" GLOBAL TELECOMMUNICATIONS CONFERENCE, 1996. GLOBECOM '96. 'COMMUNICATIONS: THE KEY TO GLOBAL PROSPERITY LONDON, UK 18-22 NOV. 1996, NEW YORK, NY, USA, IEEE, US, 18 November 1996 (1996-11-18), pages 1395-1399, XP010220146 ISBN: 0-7803-3336-5 * sections 3-3.2 * figures 3.1-3.2</p> <p>-----</p>	1-19
A	<p>US 6 067 654 A (ASHI YOSHIHIRO ET AL) 23 May 2000 (2000-05-23) column 2, line 51 - column 3, line 20 figures 1,2</p> <p>-----</p>	1-19
A	<p>TO P P ET AL: "TRADEOFF BETWEEN PRE-SWITCHING PROCESSING AND ROUTING NETWORK COMPLEXITY IN ATM PACKET SWITCHES" IEEE GLOBECOM 1998. GLOBECOM '98. THE BRIDGE TO GLOBAL INTEGRATION. SYDNEY, NOV. 8 - 12, 1998, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY: IEEE, US, vol. 1, 8 November 1998 (1998-11-08), pages 363-368, XP000894330 ISBN: 0-7803-4985-7 Section 2-3</p> <p>-----</p>	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051191

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1001648	A	17-05-2000	US 6584121 B1	24-06-2003
			AU 5830099 A	18-05-2000
			CA 2284311 A1	13-05-2000
			EP 1001648 A2	17-05-2000
			JP 2000152355 A	30-05-2000
<hr/>				
US 5412646	A	02-05-1995	CA 2145704 A1	14-11-1995
			EP 0682432 A2	15-11-1995
			JP 2915323 B2	05-07-1999
			JP 8056231 A	27-02-1996
<hr/>				
US 6067654	A	23-05-2000	JP 2993715 B2	27-12-1999
			JP 4098937 A	31-03-1992
			US 5983386 A	09-11-1999
			US 5818853 A	06-10-1998
			CA 2049366 A1	18-02-1992
			DE 69120166 D1	18-07-1996
			DE 69120166 T2	23-01-1997
			EP 0471380 A1	19-02-1992
			US 5557621 A	17-09-1996
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